

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1-22. (canceled)

23. (new) Device for producing plastic pipes comprising an adjustable pipe head to which is connected a vacuum suction bell, which is equipped with a vacuum suction connection, so that thereby the pipe-shaped stream of molten material is sucked up and thereby is adjusted to the desired outside diameter, a pre-cooling of the molten extrusion taking place in the vacuum suction bell, characterized in that provision is made for measuring devices, which control the outside diameter of the molten extrusion, and that, depending on the desired outside diameter, the vacuum prevailing in the suction lock is set.

24. (new) Device for producing plastic pipes according to claim 23, further comprising a calibrating station, where the exact calibration of the outside diameter of the already partially-hardened pipe takes place through (by) a mechanical central adjustment.

25. (new) Device for producing plastic pipes according to claim 23, comprising a vacuum calibrating bath connected with the calibrating station, seen in the production direction, where the cooling down and hardening of the plastic pipe takes places through water spray.

26. (new) Device according to claim 23, characterized by the fact that the measuring instruments operate with sensing tools resting on the outside wall of the pipe.

27. (new) Device according to claim 23, characterized by the fact that the measuring instruments control the outside diameter of the pipe in a touch-free manner.

28. (new) Device according to claim 27, characterized by the fact that the measuring instruments control the outside diameter of the pipe by means of sound or light sensors.

29. (new) A device for producing plastic pipes, comprising:

an extruder;

a pipe head connected to the extruder in the direction of production; and

a vacuum suction bell connected in the production direction to the pipe head and formed by a vacuum-tight chamber with a vacuum connection;

measuring tools positioned inside the chamber to detect the outside diameter of the pipe-shaped molten extrusion;

a calibration station connected to the vacuum suction bell;

a calibrating bath connected to the calibrating station; and

a vacuum seal;

wherein by changing the vacuum condition, the outside diameter of the molten extrusion is controlled, wherein during production of the plastic pipe the mass gap of the pipe head is adjustable and different pipe dimensions can be set in the calibrating station for the outside diameter of the pipe, wherein the pipe is cooled and hardened in the vacuum calibrating bath, and the pipe leaves the vacuum calibrating bath through the vacuum seal, wherein the vacuum seal adjusts automatically to the pipe diameter.